## **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1	1. (Currently Amended) A computer-readable medium containing a storage		
2	disk device driver architecture for access by a processing system, wherein the architecture		
3	comprises:		
4	a RAID class driver including		
5	a first physical device object representing a RAID system comprised of a		
6	plurality of disks,		
7	a plurality of functional device objects, each associated with one of the		
8	disks disk and adapted to interface with a second physical device object representing that disk,		
9	wherein each second physical device object provides a RAID-specific device identification,		
10	wherein the first physical device object is attached with each functional device object, and		
11	wherein each functional device object is associated with a different disk-wherein the RAID-		
12	specific device identification for each disk of the RAID system is obtained from a CMOS		
13	configuration memory.		
1	2. (Previously Presented) The storage disk device driver architecture		
2	computer-readable medium of claim 1, wherein the second physical device object providing a		
3	RAID-specific device identification is included in a disk controller driver adapted to interface		
4	with a disk controller.		
	with a disk controller.		
1	3. (Previously Presented) The computer-readable medium of claim 1,		
2	wherein the first physical device object representing the RAID system is adapted to provide a		
3	standard disk device identification to an operating system.		
1	4. (Previously Presented) The computer-readable medium of claim 1,		
2	wherein the RAID class driver is adapted to combine each disk into a RAID system.		

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1	5. (Previously Presented)	The computer-readable medium of claim 4,				
2	wherein in response to receiving a request to write a data block to RAID system, the RAID class					
3	driver is adapted to mirror the data block on at least a portion of the plurality of disks via the					
4	associated functional device objects.	associated functional device objects.				
1	6. (Previously Presented)	The computer-readable medium of claim 4,				
2	wherein in response to receiving a request to write a	first and second data block to RAID system,				
3	the RAID class driver is adapted to write via the associated functional device objects the first					
4	data block to a first portion of the plurality of disks and to write via the associated functional					
5	device objects the second data block to a second port	ion of the plurality of disks				
1	7 (Durwignal v Durgantad)	The commutes weedship medium of claim A				
1	· · · · · · · · · · · · · · · · · · ·	The computer-readable medium of claim 4,				
2	wherein in response to receiving a request to write a first and second data block to RAID system,					
3	the RAID class driver is adapted to write via the asso	the RAID class driver is adapted to write via the associated functional device objects an error				
4	correction block to a portion of the plurality of disks.					
1	8. (Previously Presented)	The computer-readable medium of claim 1,				
2	wherein the physical device object representing a RA	AID system is a child of a RAID controller				
3		RAID controller physical device object.				
	, <u>, , , , , , , , , , , , , , , , , , </u>					
1	9. (Previously Presented)	The computer-readable medium of claim 1,				
2	wherein the RAID class driver is adapted to configure the physical device object representing a					
3	RAID system according to RAID configuration data stored in a computer system configuration					
4	4 memory.					
1	10. (Previously Presented)	The computer-readable medium of claim 1,				
		1				
2	wherein a first portion of the plurality of disks is associated with a first disk controller of a first					
3	type and a second portion of the plurality of disks is a	associated with a second disk controller of a				
4	second type.					

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1	11. (Previously Presented) The computer-readable medium of claim 10.			
2	wherein the first type is an EIDE type controller and the second type is a SCSI type controller.			
1	12. (Previously Presented) The computer-readable medium of claim 10.			
2	wherein the first type is a serial ATA type controller and the second type is a parallel ATA type			
3	controller.			
1	13. (Previously Presented) The computer-readable medium of claim 10.			
2	wherein the second type is a controller for an external disk.			
1	14 (Dec. 1-1 December) The constant of 11 and 1 are Calcius 1			
1	14. (Previously Presented) The computer-readable medium of claim 1,			
2	wherein the RAID class driver is adapted to optimize data access by combining separate data			
3	access operations associated with a disk of the RAID system into a single data access operation.			
1	15. (Currently Amended) An integrated circuit adapted to perform core logic			
2				
	functions of a computer, the integrated circuit comprising:			
3	a RAID controller adapted to induce an operating system to load, into a			
4	processing unit on another integrated circuit, a RAID class driver having a physical device object			
5	representing a RAID system comprised of a plurality of disks; and			
6	a first disk controller adapted to interface with at least a portion of the plurality of			
7	disks and further adapted to induce the operating system to load a disk controller driver, wherein			
8	the disk controller driver is adapted to provide RAID-specific device identifications for the			
9	portion of the plurality of disks, wherein the RAID-specific device identifications for the portion			
10	of the plurality of disks are obtained from a CMOS configuration memory.			
1	16. (Original) The integrated circuit of claim 15, wherein the physical			
2	device object representing the RAID system is adapted to provide a standard disk device			
3	identification to an operating system.			
J	identification to an operating system.			

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(Original)

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disks.

1	17. (Original) The integrated circuit of claim 15, wherein in response to		
2	receiving a request to write a data block to the RAID system, the integrated circuit is adapted to		
3	mirror the data block on at least a portion of the plurality of disks.		
1	19 (Original) The interpreted singuit of claim 15 colors in manages to		
1	18. (Original) The integrated circuit of claim 15, wherein in response to		
2	receiving a request to write a first and second data block to the RAID system, the integrated		
3	circuit is adapted to write the first data block to a first subset of the portion of the plurality of		
4	disks and to write the second data block to a second subset of the portion of the plurality of disks		
1	19. (Original) The integrated circuit of claim 15, wherein in response to		
2	receiving a request to write a first and second data block to the RAID system, the integrated		
3	circuit is adapted to write an error correction block to at least a subset of the portion of the		
4	plurality of disks.		
1	20. (Original) The integrated circuit of claim 19, wherein the integrated		
2	circuit is adapted to determine the value of an error correction block from the first and second		
3	data block.		
1	21. (Original) The integrated circuit of claim 15, wherein the integrated		
2	circuit is adapted to configure the physical device object representing a RAID system according		
3	to RAID configuration data stored in a computer system configuration memory.		

23. (Original) The integrated circuit of claim 15, further including a second disk controller adapted to interface with at least a second portion of the plurality of disks

interface with a second disk controller, wherein the second disk controller adapted to interface

system to load a second disk controller driver, wherein the second disk controller driver is

with at least a second portion of the plurality of disks and further adapted to induce the operating

adapted to provide RAID-specific device identifications for the second portion of the plurality of

The integrated circuit of claim 15, further adapted to

disk object.

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- 3 and further adapted to induce the operating system to load a second disk controller driver, 4 wherein the second disk controller driver is adapted to provide RAID-specific device 5 identifications for the second portion of the plurality of disks. 1 24. (Original) The integrated circuit of claim 23, wherein the first disk 2 controller is of a first type and the second disk controller is of a second type. 25. 1 (Original) The integrated circuit of claim 24, wherein the first type is 2 an EIDE type controller and the second type is a SCSI type controller. 1 26. (Original) The integrated circuit of claim 24, wherein the first type is 2 a serial ATA type controller and the second type is a parallel ATA type controller. 1 27. (Original) The integrated circuit of claim 24, wherein the second type 2 is a controller for an external disk. 1 28. (Currently Amended) A method of creating a RAID system comprised of 2 a plurality of disks, comprising: 3 receiving a RAID-specific device identification for each disk of the RAID system, 4 wherein the RAID-specific device identification for each disk of the RAID system is obtained 5 from a CMOS configuration memory; 6 binding a <u>respective</u> RAID-specific functional interface to each disk having a 7 RAID-specific device identification; 8 binding all of the RAID-specific functional interfaces to combining the disks into 9 a same disk object representing the entire RAID system; and 10 providing the operating system with a standard disk device identification via the
  - 29. (Previously Presented) The method of claim 28, wherein the RAID-specific device identification is received from one or more disk controllers, wherein each disk controller is adapted to interface with at least a portion of the plurality of disks.

1	30.	(Previously Presented)	The method of claim 29, wherein a first disk	
2	controller is of a first type and a second disk controller is of a second type.			
1	31.	(Canceled)		
1	32.	(Previously Presented)	The method of claim 28, further comprising	
2	initializing the RAID class driver in response to the identification of a RAID controller.			
1	33.	(Previously Presented)	The method of claim 32, wherein the RAID	
2	controller comprises hardware.			
1	34.	(Previously Presented)	The method of claim 28, further comprising	
2	loading a standard disk driver to interface with the disk object, thereby enabling transparent			
3	access to the RAID system.			
1	35.	(New) The method of claim	m 28 wherein the RAID-specific device	
2	identifications are obtained from a CMOS configuration.			
1	36.	(New) The computer-read	able medium of claim 1 wherein the	
2	RAID-specific device	RAID-specific device identifications are obtained from a CMOS configuration.		